



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of) Examiner: W. JUNG
A. QUAID, et al.)
Serial No.: 10/621,119) Art Unit: 3768
Filed: July 16, 2003) Confirmation: 9089
For: **GUIDANCE SYSTEM AND)
METHOD FOR SURGICAL)
PROCEDURES WITH)
IMPROVED FEEDBACK)
Date of Last Office Action:)
June 16, 2006)
Attorney Docket No.:) Cleveland, OH 44114
MAKO 2 00027-3) September 27, 2006**

37 CFR 1.97(c) INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The applicants wish to bring the references cited on the attached PTO-1449 form to the attention of the Examiner.

This Information Disclosure Statement is being filed before a Final Office Action or Notice of Allowance, but after a first Office Action on the merits. Accordingly, the 37 CFR 1.17(p) fee in the amount of \$ 180.00 is due.

The applicants authorize this fee to be charged to a Credit Card and enclose an appropriate form PTO-2038 for this purpose.

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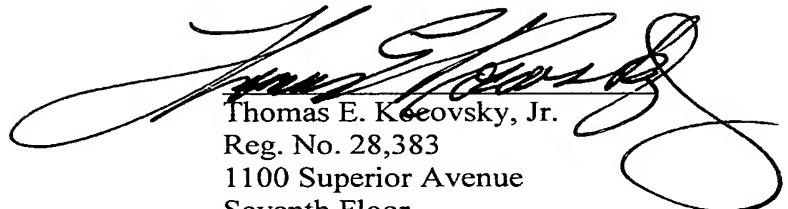
I certify that this **INFORMATION DISCLOSURE STATEMENT** in connection with Ser. No. 10/621,119 is being
 deposited with the United States Postal Service as First Class mail under 37 C.F.R. § 1.8, addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date	<i>Hilary M McNulty</i> Signature
September 28, 2006	Hilary M. McNULTY Printed Name

An early indication that all references have been considered is requested.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP



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Substitute of Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)		Complete if Known	
		Application Number	10/621,119
		Filing Date	July 16, 2003
		First Named Inventor	QUAID, et al.
		Art Unit	3768
		Examiner Name	W. JUNG
Sheet 1 of 2		Attorney Docket No.	MAKO 2 00027-3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	AA	US 2004/0167654 A1	08/26/2004	Grimm, et al.
	AB	US 6,642,686 B1	11/04/2003	Ruch
	AC	US 5,792,147	08/11/1998	Evans, et al.
	AD			
	AE			
	AF			
	AG			
	AH			
	AI			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
		Country Code-Number Kind Code (if known)			
	AJ				<input type="checkbox"/>
	AK				<input type="checkbox"/>
	AL				<input type="checkbox"/>
	AM				<input type="checkbox"/>

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	AN	Rosenberg, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance in Telepresence Tasks", Ph.D. Thesis, Stanford University, August 1994	<input type="checkbox"/>
	AO	Park, et al., "Virtual Fixtures for Robotic Cardiac Surgery", Proc. Medical Image Computing and Computer-Assisted Intervention, Utrecht, NL, Oct. 2001	<input type="checkbox"/>
	AP	Bettini, et al., "Vision Assisted Control For Manipulation Using Virtual Fixtures: Experiments at Macro and Micro Scales", Proc. 2002 IEEE Int'l. Conf. on Robotics and Automation, Washington, DC, May 2002	<input type="checkbox"/>
	AQ	Davies, et al. "The Use of Force Control in Robot Assisted Kneww Surgery", Proc. of the First Annual Symposium on Medical Robotics and Computer Assisted Surgery, V. 2, Pittsburgh, PA, pp. 258-262, Sept. 1994	<input type="checkbox"/>
	AR	Cobb, et al., "A Robotic System for TKR Surgery", Third Annual N.American Program on Computer Assisted Orthopaedic Surgery, Pittsburgh, PA, pp. 71-74, June 1999	<input type="checkbox"/>
	AS		<input type="checkbox"/>

Examiner Signature		Date Considered	
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		Examiner Name	W. JUNG
Sheet 2 of 2		Attorney Docket No.	MAKO 2 00027-3

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	BI			

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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
		Country Code-Number Kind Code (if known)			
	BJ				<input type="checkbox"/>
	BK				<input type="checkbox"/>
	BL				<input type="checkbox"/>
	BM				<input type="checkbox"/>

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	BN	Townsend, et al., "Teleoperator Slave – WAM Design Methodology", Industrial Robot, V. 26, No. 3, pp. 167-177, 1999	<input type="checkbox"/>
	BO	Leeser, et al., "Computer-Assisted Teach and Play: Novel User-Friendly Robot Teach Mode Using Gravity Compensation and Backdrivability", Proc. of Robotic International/SME Fifth World Conference on Robotics Research, Cambridge MA, Sept. 1994	<input type="checkbox"/>
	BP	Goswami, et al., "Identifying Robot Parameters Using Partial Pose Information", IEEE Control Systems Magazine, October 1993	<input type="checkbox"/>
	BQ	Meggiolaro, et al., "Manipulator Calibration Using a Single Endpoint Contact Constraint", 26 th ASME Biennial Mechanisms Conference, Baltimore, MD 2000	<input type="checkbox"/>
	BR	Bennett, et al., "Autonomous Calibration of Single-Loop Kinematic Chains Formed By Manipulators With Passive End-Point Constraints", IEEE Transactions on Robotics and Automation, V. 7, pp 597-606, 1991	<input type="checkbox"/>
	BS	Roche, "Changing the Way Surgeons Plan and Execute Minimally Invasive Unicompartmental Knee Surgery", Orthopaedic Product News, pp. 16-18, July/August 2006	<input type="checkbox"/>

Examiner Signature		Date Considered	
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